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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

ATTORNEY'S DOCKET NO. E0355/7003

WV

Box SEQ

Applicant: Paula M. Vertino
Serial No: 09/691,763
Filed: October 18, 2000
For: TMS1 COMPOSITIONS AND METHODS OF USE
Examiner: J. Goldberg
Group No.: 1655

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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Box Sequence, the Commissioner of Patents and Trademarks, Washington, D.C. 20231, on the 30 day of March, 2001.

Maryanne Trevisan

Maryanne Trevisan

Commissioner for Patents
Washington, D.C. 20231
BOX SEQUENCE

TRANSMITTAL

Sir:

Transmitted herewith are the following documents:

- Copy of Notice to Comply
- Response to Notice to Comply
- Copy of Raw Sequence Listing Error Report
- Paper hard copy form of the corrected "Sequence Listing."
- Computer readable copy of sequence listing
- Statement Under 37 C.F.R. §1.821(f)
- Return Receipt Postcard

No fee is required. If any fee is determined to be due by the Examiner, the Examiner is authorized to charge the appropriate fee to the account of the undersigned, Deposit Account No. 23/2825. A duplicate of this sheet is enclosed.

Respectfully submitted,

Edward R. Gates
Edward R. Gates (Reg. No. 31,616)
Wolf, Greenfield & Sacks, P.C.
600 Atlantic Avenue
Boston, Massachusetts 02210
Tel.: 617-720-3500

Attorney's Docket No.: E0355/7003
Date: 3/30/01
X04/21/01



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B-Web
4/19/01

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The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Box Sequence, the Commissioner of Patents and Trademarks, Washington, D.C. 20231, on the 30 day of March, 2001.

Maryanne Trevisan

Maryanne Trevisan

BOX SEQUENCE
Commissioner for Patents
Washington, D.C. 20231

RESPONSE TO NOTICE TO COMPLY

This is in response to the Notice to Comply (copy enclosed) issued in the above-identified application.

Applicants have made the appropriate corrections to the Sequence Listing.

Attached is a copy of the corrected "Sequence Listing" in computer readable form.

Attached is a paper hard copy form of the corrected "Sequence Listing."

Attached is a Statement Pursuant to 37 CFR 1.821(f).

Accordingly, Applicant believes that this document is responsive to the Notice to Comply.

If any other information is needed, please contact the undersigned attorney by phone (617-720-3500, Ext. 232) to expedite the further prosecution of this patent application.

Respectfully submitted,

WOLF, GREENFIELD & SACKS, P.C.

By Edward R. Gates
Edward R. Gates (Reg. No. 31,616)
WOLF, GREENFIELD & SACKS, P.C.
600 Atlantic Avenue
Boston, MA 02210-2211
Attorneys for Applicant(s)
Tel. no. (617) 720-3500

Attorney's Docket No.: E0355/7003
Date: 3/30/01
X04/21/01



Notice to Comply

Application No.	Applicant(s)
09/691,763	VERTINO, PAULA M.
Examiner	Art Unit
Jeanine Enewold Goldberg	1655

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- 6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- 7. Other:

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Applicant Must Provide:

- An initial or substitute computer readable form (CRF) copy of the "Sequence Listing". TECH CENTER 1600/2900
- An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support

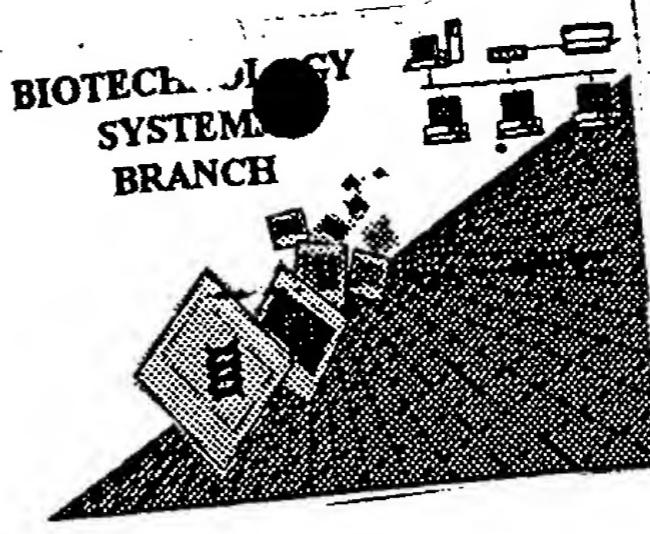
 Technical Assistance..... 703-287-0200

 To Purchase PatentIn Software..... 703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY



RAW SEQUENCE LISTING ERROR REPORT



UTW
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The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/691,763

Source: OIE

Date Processed by STIC: 10/27/2000

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE
APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A
NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin30help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/691,763

DATE: 10/27/2006
TIME: 10:01:33

Input Set: A:\E03557003.txt
Output Set: N:\CRF3\10272000\I691763.raw

4 <110> APPLICANT: VERTESI, PRIMA M
5 <120> TITLE OF INVENTION: HS1 Compositions and Methods of use
6 <130> FILE REFERENCE: P-353/763/ERG/MAT
7 <140> CURRENT APPLICATION NUMBER: US/09/691,763
8 <141> CURRENT FILING DATE: 2000-10-18
9 <150> PRIOR APPLICATION NUMBER: US 69/159,975
10 <151> PRIOR FILING DATE: 1999-10-18
11 <160> NUMBER OF SEQ ID NTS: 27
12 <170> SOFTWARE: EPI-3D, for Windows Version 3.0

Does Not Comply
Corrected Diskette Needed.

ERRORED SEQUENCES

(5b)

RAW SEQUENCE LISTING

DATE: 10/27/2000

Input Set : A:\E03557003.txt
Output Set : N:\CRF3\10272000\1691763.raw

254 <400> SEQUENCE: 7
 255 qc tet gqa qeq cca act qgq ate caq qee ect ect caq tca qea
 256 Ser GIV Ala Ala Pro Ala Gly Ile Gln Ala Pro Pro Glu Ser Ala
 257 11 5 10 15
 258 qcc aac cca 9
 E--> 260 Ala Lys Pro
 685 <210> SEQ_IDN: 26
 686 <211> LENGTH: 405
 687 <212> TYPE: DNA
 688 <213> ORGANISM: Homo Sapiens
 689 <220> FEATURE:
 690 <221> NAME/FEAT: CDS
 691 <222> LOCATION: (75) ..(404)
 692 <400> SEQUENCE: 26
 693 ccacgggttc ttctttttt tgatccggcg ctgcacgggg atqagcgggg qeacgggg
 694 qggatctgg gacg atq agt ctc qdc qae ate ctq dat qeq ctq
 695 15 5 10
 696 Bet Gln Arg Ala Arg Asp Ala Ile Leu Asp Ala Leu
 697 15 5 10
 698 gag aac ctq aat qec dat dnttctc aag aag ttc aag ctq aag ctq ctq
 699 Glu Asn Leu Thr Ala Glu Glu Leu Lys Lys Phe Lys Leu Lys Leu
 700 15 20 25
 701 tcc gtg ccc ctq aac dat aqg tac aqg cqc ate ccc cgg ggc qeq ctq
 702 Ser Val Pro Leu Arg Ile GIV Tyr Gly Arg Ile Pro Arg GIV Ala Leu
 703 30 35 40
 704 ctq tcc atq aat pvt tta qeq ctq acm aac aqg ctq ate aqg ttc tac
 705 Leu Ser Bet Asp Ala Ile Asp Leu Thr Asp Lys Leu Val Ser Phe Tyr
 706 45 50 55 60
 707 ctq gag acc ta ttt ttt qar ctq acm acm aqg ctq ccc aac atq
 708 Leu Glu Thr Ile Glu Ala Alan Leu Thr Ala Asn Val Leu Arg Asp Bet
 709 65 70 75
 710 qac ctq cca aat atq aat aqg ctq ccc aqg aac ccc aqg qac
 711 Gly Leu Glu Glu Phe Ile Ile Leu Glu Ala Ala Thr His Glu GIV
 712 75 80 85 90
 713 tct qga qcc qta ttt ttt aat aqg ctq acm acm aqg acm qac
 714 Ser GIV Ala Ala Pro Ile GIV Ile Gln Ala Ala Thr His Glu GIV
 715 95 100 105
 716 qaq cca 9
 717 Lys Pro
 E--> 726 110

See next page for more errors

07/09/1985

<210> 23

<211> 171

<212> PRT

<213> Rattus Norvegicus

<400> 23

Phe Lys Ile Lys Leu Leu Thr Ala Pro Val Arg Glu Gly Tyr Gly Arg
1 5 10 15
Ile Pro Arg Gly Ala Leu Leu Gln Met Asp Pro Ile Asp Leu Thr Asp
20 25 30
Lys Leu Val Xaa Tyr Tyr Leu Glu Gly Tyr Gly Leu Glu Leu Thr Met
35 40 45
Thr Val Leu Arg Asp Met Gly Ile Gln Glu Leu Ala Glu Gln Leu Gln
50 55 60
Lys Ile Met Glu Glu Ser Gly Ala Val Ala Thr Ala Thr Ser Val Pro
65 70 75 80
Ala Gln Gly Thr Ala Arg Thr Glu His Phe Val Asp Gln His Arg Gln
85 90 95
Ala Leu Ile Ala Arg Val Thr Glu Val Asp Gly Leu Leu Asp Ala Leu
100 105 110
Tyr Gly Asn Val Leu Thr Glu Gly Gln Tyr Gln Ala Val Arg Ala Glu
115 120 125
Thr Thr Asn Gln Asn Lys Met Arg Lys Leu Phe Ser Phe Ala Pro Ala
130 135 140
Trp Asn Leu Thr Cys Lys Asn Leu Phe Leu Glu Ala Leu Arg Gln Thr
145 150 155 160
Gln Pro Tyr Leu Val Thr Asp Leu Glu Gln Ser
165 170

FYI

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/691,763

DATE: 10/27/2000
TIME: 10:01:35

Input Set : A:\E03557003.txt
Output Set: N:\CRF3\10272000\I691763.raw

L:11 M:270 C: Current Application Number differs. Replaced Current Application No
L:11 M:271 C: Current Filing Date differs. Replaced Current Filing Date
L:223 M:252 E: No. of Seq. differs. <211>LENGTH:Input:339 Found:340 SEQ:5
L:260 M:361 W: Invalid Split Codon. Sequence data for SEQ ID#: 7
L:260 M:252 E: No. of Seq. differs. <211>LENGTH:Input:58 Found:57 SEQ:7
L:306 M:361 W: Invalid Split Codon. Sequence data for SEQ ID#: 9
L:527 M:258 W: Mandatory Feature missing. <223> not found for SEQ ID#:22
L:527 M:340 W: (46) "n" or "Xaa" used. Feature required. for SEQ ID#:22
L:559 M:361 W: Invalid Split Codon. Sequence data for SEQ ID#: 22
L:575 M:258 W: Mandatory Feature missing. <220> not found for SEQ ID#:23
L:575 M:258 W: Mandatory Feature missing. <221> not found for SEQ ID#:23
L:575 M:258 W: Mandatory Feature missing. <222> not found for SEQ ID#:23
L:575 M:258 W: Mandatory Feature missing. <223> not found for SEQ ID#:23
L:575 M:340 W: (46) "n" or "Xaa" used. Feature required. for SEQ ID#:23
L:726 M:252 E: No. of Seq. differs. <211>LENGTH:Input:414 Found:405 SEQ:26